

Name : \_\_\_\_\_

## Inverse Trigonometric Ratios

Using Calculator: S3

A) Find the value of each inverse trigonometric ratio in degrees. Round the answer to two decimal places.

1)  $\cos^{-1}(0.5629)$       2)  $\csc^{-1}(-1.1853)$       3)  $\cot^{-1}(0.3291)$

4)  $\sec^{-1}(1.494)$

$\tan^{-1}(0.2136)$

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B) Find the value of each inverse trigonometric ratio in radians. Round the answer to two decimal places.

in radians. Round

7)  $\sin^{-1}(-0.11)$

$\cos^{-1}(0.5397)$

10)  $\sec^{-1}(-1.7425)$

11)  $\csc^{-1}(1.9636)$

12)  $\cot^{-1}(0.2549)$

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55.74°-57.53°71.78°

4)  $\sec^{-1}(1.494)$

**PREVIEW**

$\tan^{-1}(0.2136)$

48.01°

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12.06°

B) Find the value of each inverse trigonometric ratio in radians. Round the answer to two decimal places.

7)  $\sin^{-1}(-0.11)$

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in radians. Round the answer to two decimal places.

$\cos^{-1}(0.5397)$

-0.12

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10)  $\sec^{-1}(-1.7425)$

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